

Listing Of Claims

The following listing of claims will replace all prior listings of claims in this application.

I claim:

- 5 1. (Withdrawn) A reclining wall hugger bed comprising;

a mattress, at least one linear actuator, two sections of track, a calves section and a thigh section having elevating double bar feet elevating mechanism whereby said calves section remains substantially horizontal during feet elevation, a back section that reclines having the head edge move vertically maintaining a substantially constant distance to wall, a buttocks section that 10 moves in a horizontal direction as said back section is being reclined, a carriage that moves said calves section, said thigh section, said back section, at least one said linear actuator and said buttocks section horizontally on said track, a frame that hold said track and said carriage, improvements comprising;
wherein said thigh section and said calves section form a single acting rigid coplanar leg section
15 that reclines pivotally below the horizontal plane of the said buttocks section in a downwardly direction pivotably about adjoining edge with said buttocks section.

2. (Withdrawn) The bed of claim 1 further including said buttocks section to recline pivotably in an upward direction about the adjoining edge of said back section wherein buttocks 20 foot edge of said buttocks section is elevated from the floor whereby clearance is provided for greater degree of downward tilt for said coplanar leg section, whereby a sit-up position with legs angled in a downward direction can be obtained from a conventional bed surface height, and whereby the body weight is transferred from the lower back to the lower thigh area of the body as

the bed is reclined to the sit up position and whereby a permanently attachable desk becomes practical.

3. (Withdrawn) The bed of claim 2 further including at least one arm rest, a swing arm, and
5 a variable position swivel lock wherein said arm rest is attached to said swing arm and said
swing arm attached to said bed wherein said arm rest is pivoted substantially horizontally from a
location beside said bed into a position over said bed and is locked into said position by said
swivel lock, whereby the said swing arm, said arm rest provide bodily support at various
positions of entering and exiting the bed by locking and unlocking said swivel lock and whereby
10 a shock resistance working surface is readily secured at various positions along wall, bed side
and seating positions.

4. (Withdrawn) The bed of claim 3 further including a desk, electrical and phone receptacles
wherein said desk and said electrical and said phone receptacles wires are secured to said swing
15 arm whereby internet and phone service, clock radios, computers, televisions, lamps and
electrical devices can be readily accessible and whereby the sit-up bed can be used as an office or
recreational furniture.

5. (Withdrawn) The bed of claim 2 further including a pivot fixture, at least one transfer
link, at least one projection and at least one stop, at least one connection bar, and at least one lock
spring, said transfer link having three pivot points wherein the lower transfer link pivot point is
connected to said linear actuator, the foot end pivot is pivotably connected to said connecting bar
and opposite end of said connecting bar pivotably connected to said feet elevating mechanism,

and the pivot of said transfer link located between said lower pivot and said foot end pivot is pivotably connected to said pivot fixture, said pivot fixture is pivotably connected at axial pivot location of pivot between said buttocks section and said thigh section, wherein while said thigh section and said calves section are reclined below horizontal, force of footward motion of said

5 linear actuator on lower transfer link pivot point of said transfer link results in upward rotation of said pivot fixture, said calves section, said thigh section, and said feet elevating mechanism in an upward direction about distal end pivot of said pivot fixture until said projection of said pivot fixture engages said stop secured to said thigh section at a substantially horizontal position, further footward motion of said linear actuator results in rotation of said transfer link about

10 transfer link fixture pivot of said transfer link resulting in lifting of said thigh section and said calves section and said feet elevating mechanism from resting points on said pivot fixture and calves section said stop, while elongating said lock spring.

6. (Withdrawn) The bed of claim 5 wherein said lower transfer link pivot is disposed along
15 said pivot fixture wherein said linear actuator and said buttocks section form a double bar linkage resulting in substantially minor vertical movement of the foot edge of the said calves section of said coplanar leg section as buttocks section is reclined.

7. (Withdrawn) The bed of claim 2 further including a boxspring having a reduced thickness
20 at the foot edge of said calves section whereby maximum downward tilt of said coplanar leg section can be realized.

8. (Withdrawn) The bed of claim 7 further including a fabric material, a peripheral frame and a peripheral frame spring wherein the said peripheral frame pivoted at distal end pivots, forms the lower edge of the foot end of the bed and along both sides of said bed at a substantial distance below the surface of said calves section and/or said thigh section and wherein the

5 peripheral frame spring elongates wherein peripheral frame is rotated below the horizontal position about distal end pivots by force of the said calves section whereby the appearance of said boxspring of substantial thickness is made, and whereby a protective elongatable fabric type of shroud encloses the moving parts.

10 9. (Withdrawn) The bed of claim 8 further including at least one cam and at least one cam follower wherein the said cam contour controls the elevation position of the said peripheral frame whereby said peripheral frame is prevented from resting on bed covers, blankets, sheets and/or floor, and whereby said peripheral frame can be elevated to a feet up position.

15 10. (Withdrawn) The bed of claim 2 further including a high frictional surface and relatively a low frictional surface whereby the said mattress movement on reclining surfaces can be controlled and said mattress crushes rather than lifts from surface when folded as said mattress slides upwardly along said low friction surface of said back section.

20 11. (Withdrawn) The claim of 10 further including a releasable mechanical holding device wherein said mattress is secured to surface of boxspring by releasable mechanical holding device.

12. (Withdrawn) The claim of 11 wherein said releasable mechanical holding device is secured at a sufficient distance inward from perimeter of said mattress between the surface of the
25 mattress and bed surface to allow sandwiching of sheets and blankets along perimeter of said mattress.

13. (Withdrawn) The claim of 12 wherein said releasable mechanical holding device is a barb and loop type two part fastening material.
14. (Withdrawn) The bed of claim 2 further including a threaded coupling half, a fixed coupling half, a bearing, a thread spring, a thread wherein the coupling disengages during inhibited reclining motion by action of rotating said thread separating said threaded coupling half from said fixed coupling half along axis of said thread against compression force of said spring whereby free rotation of said threaded coupling half on said thread prevents further movement along length of said thread whereby angular free fall of more than 10 degrees is prevented after inhibition to reclining is removed.
15. (Withdrawn) The bed of claim 2 further including 4 section reclining bed that is a non wall hugger.
- 15 16. (Withdrawn) The bed of claim 3 further including reclining beds and reclining chairs wherein said reclining beds and said reclining chairs have said arm rest, said swing arm, and said variable position swivel lock attached.
17. (Withdrawn) The bed of claim 2 further including a foot rest area whereby body weight is transferred from lower back and thigh to the feet.
18. (Withdrawn) The bed of claim 3 further including a buttocks sling secured to said arm rest whereby a person can be elevated relative to the buttocks section by means of lowering the buttocks section whereby a bed pan can be placed or the user swung sitting up, in or out of bed by the arm, to a toilet device or wheelchair beside the bed.

19. (Withdrawn) The bed of claim 2 further including a power back arch mechanism wherein said mattress behind arch of back is moved to protrude in the direction away from the back section surface to change the curvature of the said mattress whereby change of position by adjusting spinal support increases the immediate and long term seating comfort.

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20. (Withdrawn) The bed of claim 2 wherein said protrusion extends longitudinally along structural steel angle secured to lower surface of reclining section past pivot then tapered downwardly to lower edge of vertical non secured side of said structural angle steel whereby lower edge of protrusion engages stop and rotation is limited.

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21. (Withdrawn) A book holder wherein the pages of an open book are supported on a support structure along top and bottom edge of open book pages whereby reading is viewed from a horizontal laying position viewing the pages at a substantially vertical angle beneath said book and whereby the pages are read between the support structure or through the clear support 15 surface.

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22. (Withdrawn) A reclining bed comprising;
a mattress, at least one linear actuator, a calves section and a thigh section having elevating double bar feet elevating mechanism whereby said calves section remains substantially 20 horizontal during feet elevation, a back section that reclines pivotably about adjoining edge of a buttocks section in an upwardly direction, improvements comprising;
wherein said thigh section and said calves section form a single rigid coplanar leg section that reclines pivotally below the horizontal plane of the said buttocks section in a downwardly direction pivotably about adjoining edge with said buttocks section.

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23. (Withdrawn) The bed of claim 22 further including said buttocks section to recline pivotably in an upward direction about the adjoining edge of said back section wherein buttocks

foot edge of said buttocks section is elevated from the floor whereby clearance is provided for greater degree of downward tilt for said coplanar leg section, whereby a sit-up position with legs angled in a downward direction can be obtained from a conventional bed surface height, and whereby the body weight is transferred from the lower back to the lower thigh area of the body as

5 the bed is reclined to the sit up position and whereby a permanently attachable desk becomes practical.

24. (Withdrawn) A multi-position reclining bed comprising:
- a support including plurality of sections including a back section, a buttocks section, a thigh
- 10 section, and a calves section, the support configured to carry a mattress thereon;
- a track coupled to the support;
- a linear actuator coupled to the support;
- wherein the back section is coupled to the track section and configured to move an end portion thereof vertically when the linear actuator is activated; and
- 15 wherein the thigh section and calves section can be configured to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.

25. (Withdrawn) The multi-position reclining bed of claim 24, wherein:
- 20 the buttocks section is configured to recline pivotally in an upward direction about an adjoining edge of the back section when a buttocks foot edge of the buttocks section is elevated whereby clearance is provided for a greater degree of downward tilt for the coplanar leg section, whereby a sit-up position with legs angled in a downward direction can be obtained from a conventional

bed surface height, and whereby the body weight is transferred from the lower back to the lower thigh area of the body as the bed is reclined to the sit up position and whereby a permanently attachable desk becomes practical.

5 26. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
at least one arm rest, a swing arm, and a variable position swivel lock wherein the arm rest is
attached to the swing arm and the swing arm attached to the bed wherein the arm rest is pivoted
substantially horizontally from a location beside the bed into a position over the bed and is
locked into the position by the swivel lock, whereby the swing arm, the arm rest provide bodily
10 support at various positions of entering and exiting the bed by locking and unlocking the swivel
lock and whereby a shock resistance working surface is readily secured at various positions along
wall, bed side and seating positions.

27. (Withdrawn) The multi-position reclining bed of claim 26, further comprising:
15 a desk, electrical and phone receptacles wherein the desk and the electrical and the phone
receptacles wires are secured to the swing arm whereby internet and phone service, clock radios,
computers, televisions, lamps and electrical devices can be readily accessible and whereby the
sit-up bed can be used as an office or recreational furniture.

20 28. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a pivot fixture, at least one transfer link, at least one projection and at least one stop, at least one
connecting bar, and at least one lock spring, the transfer link having three pivot points wherein
the lower transfer link pivot point is connected to the linear actuator, the foot end pivot is

- pivots connected to the connecting bar and opposite end of the connecting bar pivotally connected to the feet elevating mechanism, and the pivot of the transfer link located between the lower pivot and the foot end pivot is pivotally connected to the pivot fixture, the pivot fixture is pivotally connected at axial pivot location of pivot between the buttocks section and the thigh
- 5 section, wherein while the thigh section and the calves section are reclined below horizontal, force of footward motion of the linear actuator on lower transfer link pivot point of the transfer link results in upward rotation of the pivot fixture, the calves section, the thigh section, and the feet elevating mechanism in an upward direction about distal end pivot of the pivot fixture until the projection of the pivot fixture engages the stop secured to the thigh section at a substantially
- 10 horizontal position, further footward motion of the linear actuator results in rotation of the transfer link about transfer link fixture pivot of the transfer link resulting in lifting of the thigh section and the calves section and the feet elevating mechanism from resting points on the pivot fixture and calves section the stop, while elongating the lock spring.
- 15 29. (Withdrawn) The multi-position reclining bed of claim 28, wherein:
the lower transfer link pivot is disposed along the pivot fixture wherein the linear actuator and the buttocks section form a double bar linkage resulting in substantially minor vertical movement of the foot edge of the calves section of the coplanar leg section as buttocks section is reclined.
- 20 30. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a boxspring having a reduced thickness at the foot edge of the calves section whereby maximum downward tilt of the coplanar leg section can be realized.

31. (Withdrawn) The multi-position reclining bed of claim 30, further comprising:
a fabric material, a peripheral frame and a peripheral frame spring wherein the peripheral frame pivoted at distal end pivots, forms the lower edge of the foot end of the bed and along both sides of the bed at a substantial distance below the surface of the calves section and/or the thigh section
5 and wherein the peripheral frame spring elongates when peripheral frame is rotated below the horizontal position about distal end pivots by force of the calves section whereby the appearance of the boxspring of substantial thickness is made, and whereby a protective elongatable fabric type shroud encloses the moving parts.

10 32. (Withdrawn) The multi-position reclining bed of claim 31, further comprising:
at least one cam and at least one cam follower wherein the cam contour controls the elevation position of the peripheral frame whereby the peripheral frame is prevented from resting on bed covers, blankets, sheets and/or floor, and whereby the peripheral frame can be elevated to a feet up position.

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33. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a high frictional surface and a relatively low frictional surface whereby the mattress movement on reclining surfaces can be controlled and the mattress crushes rather than lifts from surface when folded as the mattress slides upwardly along the low friction surface of the back section.

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34. (Withdrawn) The multi-position reclining bed of claim 33, further comprising:
a releasable mechanical holding device wherein the mattress is secured to surface of boxspring by releasable mechanical holding device.

35. (Withdrawn) The multi-position reclining bed of claim 34, wherein:
the releasable mechanical holding device is secured at a sufficient distance inward from
perimeter of the mattress between the surface of the mattress and bed surface to allow
5 sandwiching of sheets and blankets along perimeter of the mattress.
36. (Withdrawn) The multi-position reclining bed of claim 35, wherein:
the releasable mechanical holding device is a barb and loop type two part fastening material.
- 10 37. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a threaded coupling half, a fixed coupling half, a bearing, a thread spring, a thread wherein the
coupling disengages during inhibited reclining motion by action of rotating the thread separating
the threaded coupling half from the fixed coupling half along axis of the thread against
compression force of the spring whereby free rotation of the threaded coupling half on the thread
15 prevents further movement along length of the thread whereby angular free fall of more than 10
degrees is prevented after inhibition to reclining is removed.
38. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a four section reclining bed that is a non wall hugger.
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39. (Withdrawn) The multi-position reclining bed of claim 26, further comprising:
reclining beds and reclining chairs wherein the reclining beds and the reclining chairs have the
arm rest, the swing arm, and the variable position swivel lock attached.

40. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a foot rest area whereby body weight is transferred from lower back and thigh to the feet.

5 41. (Withdrawn) The multi-position reclining bed of claim 26, further comprising:
a buttocks sling secured to the arm rest whereby a person can be elevated relative to the buttocks
section by means of lowering the buttocks section whereby a bed pan can be placed or the user
swung sitting up, in or out of bed by the arm, to a toilet device or wheelchair beside the bed.

10 42. (Withdrawn) The multi-position reclining bed of claim 25, further comprising:
a power back arch mechanism wherein the mattress behind arch of back is moved to protrude in
the direction away from the back section surface to change the curvature of the mattress whereby
change of position by adjusting spinal support increases the immediate and long term seating
comfort.

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43. (Withdrawn) The multi-position reclining bed of claim 25, wherein:
the protrusion extends longitudinally along structural steel angle secured to lower surface of
reclining section past pivot then tapered downwardly to lower edge of vertical non secured side
of the structural angle steel whereby lower edge of protrusion engages stop and rotation is
20 limited.

44. (Withdrawn) The multi-position reclining bed of claim 24, further comprising:
a desk coupled to the bed and configured to carry reading material for reading by a user.

45. (Withdrawn) A multi-position reclining bed comprising:
a support including plurality of sections including a back section, a buttocks section, a thigh section, and a calves section, the support configured to carry a mattress thereon;
5 a track coupled to the support;
a linear actuator coupled to the support; and
wherein the thigh section and calves section can be configured to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.
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46. (Withdrawn) The multi-position reclining bed of claim 45, wherein:
the buttocks section is configured to recline pivotally in an upward direction about an adjoining edge of the back section when a buttocks foot edge of the buttocks section is elevated thereby providing clearance for downward tilt for the coplanar leg section.
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47. (Withdrawn) The multi-position reclining bed of claim 46, further comprising:
at least one arm rest, a swing arm, and a variable position swivel lock wherein the arm rest is attached to the swing arm and the swing arm is attached to the bed wherein the arm rest is configured to be pivoted substantially horizontally from a location beside the bed into a position
20 over the bed and locked into the position by the swivel lock.
48. (Withdrawn) The multi-position reclining bed of claim 47, further comprising:
a desk secured to the swing arm.

49. (Canceled) A multi-position reclining bed comprising:
- a. A plurality of supporting elements comprising:
 - i. A back section;
 - ii. A buttocks section;
 - iii. A thigh section; and
 - iv. A calves section.
 - b. Wherein the supporting elements are configured to support a plurality of mattress elements;
 - c. A track coupled to the supporting elements;
 - d. A linear actuator coupled to the supporting elements;
 - e. Wherein the back section is coupled to the track section and configured to move an end portion thereof vertically when the linear actuator is activated; and
 - f. Wherein the thigh section and calves section are configurable into a locked position to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.

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50. (Currently Amended) The multi-position reclining bed of claim 102, wherein the thigh section and calves section are configurable into a locked position utilizing lock springs, in an elongated state, that force a transfer link to remain in an over centered locked position.

51. (Currently Amended) The multi-position reclining bed of claim 102, wherein the buttocks section is capable of pivoting in an upward direction about the bottom edge of the back section.
52. (Previously Presented) The multi-position reclining bed of claim 51, wherein the lower edge of the buttocks section is capable of elevating in an upwards direction.
53. (Previously Presented) The multi-position reclining bed of claim 52, further comprising a plurality of arm rests.
- 10 54. (Currently Amended) The multi-position reclining bed of claim 102, further comprising a swing arm attached to any of the supporting elements.
55. (Previously Presented) The multi-position reclining bed of claim 54, wherein the armrest is attached to a swing arm.
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56. (Previously Presented) The multi-position reclining bed of claim 54, wherein the armrest is capable of pivoting substantially horizontally to a position over the bed.
57. (Previously Presented) The multi-position reclining bed of claim 54, wherein the swing arm is capable of locking into position utilizing a swivel lock.
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58. (Previously Presented) The multi-position reclining bed of claim 54, further comprising a desk attached to the swing arm.

59. (Previously Presented) The multi-position reclining bed of claim 54, further comprising electrical and data connections, wherein the electrical and data connections are secured to the swing arm such that they are accessible to the occupant of the bed.

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60. (Previously Presented) The multi-position reclining bed of claim 59, wherein the data connection is capable of providing an internet and/or telephone connection.

61. (Currently Amended) The multi-position reclining bed of claim 102 further comprising a
10 plurality of the following elements:

- a. Pivot fixtures;
- b. Connecting bars;
- c. Transfer links;
- d. Projections;
- 15 e. Stops; and
- f. Lock springs.

62. (Previously Presented) The multi-position reclining bed of claim 61, wherein the pivot fixture is pivotally connected between the buttocks section and the thigh section.

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63. (Previously Presented) The multi-position reclining bed of claim 61, wherein the transfer link has a plurality of pivot points, including a lower transfer link pivot point that is connected to the linear actuator, a foot end pivot that is pivotally connected to the connecting bar and to the

opposite end of the connecting bar, and a pivot point that is pivotally connected to the feet elevating mechanism.

64. (Previously Presented) The multi-position reclining bed of claim 61, wherein the pivot of
5 the transfer link is located between the lower pivot and the foot end pivot.

65. (Previously Presented) The multi-position reclining bed of claim 61, wherein the transfer link is pivotally connected to the feet elevating mechanism.

10 66. (Previously Presented) The multi-position reclining bed of claim 61, wherein the transfer link is pivotally connected to the pivot fixture.

67. (Previously Presented) The multi-position reclining bed of claim 61, wherein while the thigh section and the calves section are reclined below horizontal, the force of foot ward motion 15 of the linear actuator on the lower transfer link pivot point causes upward rotation of the following elements in an upward direction about the distal end pivot of the pivot fixture until the projection of the pivot fixture engages the stop secured to the thigh section at a substantially horizontal position:

- a. The pivot fixture;
- 20 b. The calves section;
- c. The thigh section; and
- d. The feet elevating mechanism.

68. (Previously Presented) The multi-position reclining bed of claim 61, wherein the footward motion of the linear actuator results in rotation of the transfer link about the transfer link fixture pivot, causing lifting of the following sections from resting points on the pivot fixture, the calves section, and the stop, while elongating the lock spring:
- 5 a. The thigh section;
- b. The calves section; and
- c. The feet elevating mechanism
69. (Previously Presented) The multi-position reclining bed of claim 63, wherein the lower transfer link pivot is located along the pivot fixture.
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70. (Previously Presented) The multi-position reclining bed of claim 69, wherein the linear actuator and the buttocks section form a double bar linkage resulting in substantially minor vertical movement of the lower edge of the calves section of the coplanar leg section as the buttocks section is reclined.
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71. (Previously Presented) The multi-position reclining bed of claim 50, further comprising a box spring having a reduced thickness at the lower edge of the calves section.
- 20 72. (Previously Presented) The multi-position reclining bed of claim 71, further comprising:
- a. Fabric material;
- b. Peripheral frame; and
- c. A peripheral frame spring.

73. (Previously Presented) The multi-position reclining bed of claim 72, wherein the fabric material encloses the frame elements.
- 5 74. (Previously Presented) The multi-position reclining bed of claim 72, wherein the peripheral frame
- d. Pivots at distal end pivots;
 - e. Forms the lower edge of the foot end of the bed; and
 - f. Forms both sides of the bed below the surface of the calves section and/or the
- 10 thigh section.
75. (Previously Presented) The multi-position reclining bed of claim 72, wherein the peripheral frame spring elongates when it is rotated below the horizontal position about the distal end pivot.
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76. (Previously Presented) The multi-position reclining bed of claim 72, further comprising a plurality of cams and cam followers.
77. (Previously Presented) The multi-position reclining bed of claim 76, wherein the cam
- 20 contour controls the elevation position of the peripheral frame.
78. (Previously Presented) The multi-position reclining bed of claim 77 wherein the peripheral frame is capable of elevating the calves section above the thigh and buttocks section.

79. (Currently Amended) The multi-position reclining bed of claim 102, wherein the mattress elements comprise surfaces with differing frictional coefficients.

5 80. (Previously Presented) The multi-position reclining bed of claim 71, further comprising a releasable mechanical holding device that secures the mattress element to the box spring.

10 81. (Previously Presented) The multi-position reclining bed of claim 80, wherein the releasable mechanical holding device is located at a sufficient distance from the perimeter of the mattress and box spring to avoid interference with the placement of sheets and/or other bedding materials around the width of the mattress.

82. (Previously Presented) The multi-position reclining bed of claim 80, wherein the releasable mechanical holding device comprises a barb and loop fastening arrangement.

15 83. (Currently Amended) The multi-position reclining bed of claim 102, further comprising
g. A threaded coupling half;
h. A fixed coupling half;
i. A bearing; and
20 j. A thread spring.

84. (Previously Presented) The multi-position reclining bed of claim 83, wherein the coupling disengages during reclining motion by action of rotating a thread that separates the threaded coupling half from the fixed coupling half.
- 5 85. (Previously Presented) The multi-position reclining bed of claim 84, wherein the rotation of the thread is along the axis of the thread against compression force of the thread spring whereby free rotation of the threaded coupling half on the thread prevents further movement along the length of the thread.
- 10 86. (Currently Amended) The multi-position reclining bed of claim 102, further comprising a four section non- wall-hugging reclining bed.
87. (Previously Presented) The multi-position reclining bed of claim 53 or 57, further comprising an attached armrest, swing arm, and variable position swivel lock.
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88. (Currently Amended) The multi-position reclining bed of claim 102, further comprising a footrest located at the bottom of the calves section.
89. (Previously Presented) The multi-position reclining bed of claim 54, further comprising a 20 buttocks sling secured to the arm rest that allows the occupant's buttocks to be raised, relative to the buttocks section of the bed, by lowering the buttocks section while the sling is supporting the weight of the occupant.

90. (Currently Amended) The multi-position reclining bed of claim 102, further comprising a powered mechanism located behind the back section, that is capable of causing a protrusion of the back section of the mattress.
- 5 91. (Previously Presented) The multi-position reclining bed of claim 54, further comprising a desk attached to the bed, the desk capable of supporting written material.
92. (Canceled) A multi-position reclining bed comprising:
- a. A plurality of supporting elements comprising:
 - i. A back section;
 - ii. A buttocks section;
 - iii. A thigh section;
 - iv. A calves section;
 - b. Wherein the supporting elements are configured to support a plurality of mattress elements;
 - c. A track coupled to the supporting elements;
 - d. A linear actuator coupled to the supporting elements;
 - e. Wherein the thigh section and calves section are configurable into a locked position to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.

93. (Canceled) The multi-position reclining bed of claim 92, wherein the buttocks section is capable of reclining pivotally in an upward direction about its adjoining edge of the back section, when the lower edge of the buttocks section is elevated.

5 94. (Canceled) The multi-position reclining bed of claim 93, further comprising a plurality of arm rests.

95. (Canceled) The multi-position reclining bed of claim 93, further comprising a swing arm attached to any of the supporting elements.

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96. (Canceled) The multi-position reclining bed of claim 93, wherein the arm rest is attached to a swing arm.

15 97. (Canceled) The multi-position reclining bed of claim 93, wherein the arm rest is capable of pivoting substantially horizontally to a position over the bed.

98. (Canceled) The multi-position reclining bed of claim 93, wherein the swing arm is capable of locking into position utilizing a swivel lock.

20 99. (Canceled) The multi-position reclining bed of claim 93, further comprising a desk attached to the swing arm.

100. (Canceled) The multi-position reclining bed of claim 93, further comprising a plurality of linear actuators capable of raising the calve and thigh sections above the horizontal.
101. (Canceled) The multi-position reclining bed of claim 100, wherein the calve and thigh sections are capable of locking in a coplanar arrangement.
102. (New) A multi-position reclining bed comprising:
- a. a horizontally situated elongated track,
 - b. a plurality of supporting elements positioned above and overlying said track, and moveably coupled thereto, and comprising:
 - i. a back section;
 - ii. a buttocks section;
 - iii. a thigh section; and
 - iv. a calves section,
said supporting elements being pivotably connected to each other at abutting edges, and
 - c. a linear activator coupled to the supporting elements,
said back section being coupled to said track section and configured to move an end portion thereof vertically in a vertical plane when said linear activator is activated, and wherein the thigh section and calves section are configurable into a locked position to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.